AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-9, 19, and 33 are cancelled.

1-9. (Cancelled)

10. (Currently amended) A commodity data input and output apparatus, comprising:

an input unit configured to input purchase commodity data of ~~each~~ a customer in time series at the time the customer selects the commodity; ~~and~~

a communication unit configured to send the purchase commodity data of ~~each~~ the customer to a commodity data management apparatus, and to receive other commodity data from the commodity data management apparatus, the purchase commodity data and the other commodity data being a pair of commodities as a tendency of purchase order of commodities of the customer stored in the commodity data management apparatus; and

a display unit configured to display the other commodity data to the customer.

11. (Original) The commodity data input and output apparatus according to claim 10,

further comprising:

a location detection unit configured to detect a location of the customer associated with inputted purchase commodity data.

12. (Original) The commodity data input and output apparatus according to claim 11,

wherein said communication unit sends an identification code of said commodity data input and output apparatus, and the location data of the customer with the purchase commodity data to said commodity data management apparatus.

13. (Currently amended) The commodity data input and output apparatus according to claim 12,

~~wherein said communication unit receives commodity presentation data usable for the customer's next purchase from said commodity data management apparatus.~~

<u>wherein the other commodity data includes a commodity name and location data of the other commodity.</u>

14. (Currently amended) The commodity data input and output apparatus according to claim 13,

~~further comprising:~~

~~a display unit configured to display the commodity presentation data to the customer.~~

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wherein said display unit draws a point corresponding to the location data onto a store map, and displays the store map with the commodity name.

15. (Original) The commodity data input and output apparatus according to claim 14,

when said input unit inputs a payment command from the customer,

wherein said communication unit sends the identification code of said commodity data input and output apparatus, and a completion code to said commodity data management apparatus.

16. (Original) The commodity data input and output apparatus according to claim 15,

when said communication unit receives a list and a total price of purchased commodities from said commodity data management apparatus,

wherein said display unit displays the list and the total to the customer.

17. (Original) The commodity data input and output apparatus according to claim 16,

when said communication unit receives a question related to the purchase commodity from said commodity data management apparatus,

wherein said display unit displays the question to the customer.

18. (Original) The commodity data input and output apparatus according to claim 17,

when said input unit inputs an answer to the question from the customer,

wherein said communication unit sends the answer and an identification code of the purchase commodity to said commodity data management apparatus.

19. (Cancelled)

20. (Currently amended) A computer program product for use with a computer, comprising:

a computer usable medium having computer readable program code embodied in said medium for causing said computer to input and output commodity data, said computer readable program code having:

computer readable program code to input purchase commodity data of ~~each~~ a_ customer in time series at the time the customer selects the commodity; ~~and~~

computer readable program code to send the purchase commodity data of ~~each~~ the customer to a commodity data management apparatus;

computer readable program code to receive other commodity data from the commodity data management apparatus, the purchase commodity data and the other commodity data being a pair of commodities as a tendency of purchase order of commodities of the customer stored in said commodity data management apparatus; and

computer readable program code to display the other commodity data to the

customer.

21. (Currently amended) A commodity data management apparatus,

comprising:

a communication unit configured to receive purchase commodity data of ~~each~~ a

customer in time series at the time the customer selects the commodity from a

commodity data input and output apparatus; and

a data analysis unit configured to ~~determine a tendency of purchase commodity~~

~~of each customer according to the purchase commodity data of each customer received~~

select a pair of commodities continually purchased by the customer within a

predetermined time period from the purchase commodity data, extract a pair of

commodities of which occurrence frequency is above a threshold from pairs of

commodities selected, and store the pair of commodities extracted as a tendency of

purchase order of commodities of the customer.

22. (Currently amended) ~~the~~ The commodity data management apparatus

according to claim 21,

wherein said communication unit receives an identification code of the

commodity data input and output apparatus, an identification code of a commodity, and

location data of the customer purchasing the commodity.

23. (Original) The commodity data management apparatus according to claim 22,

further comprising:

memory configured to correspondingly store the identification code of the commodity data input and output apparatus, the identification code of the commodity, the location data of the customer, and a receiving time in a purchase commodity table.

24. (Currently amended) The commodity data management apparatus according to claim 23,

wherein said data analysis unit selects a pair of identification codes of purchase commodities corresponding to the same identification code of the commodity data input and output apparatus, of which an interval between two receiving times is below a predetermined period from the purchase commodity table, and

wherein said memory stores the pair of identification codes of purchase commodities in a data analysis result table.

25. (Original) The commodity data management apparatus according to claim 23,

when said communication unit receives the identification code of the commodity data input and output apparatus, and a completion code,

wherein said data analysis unit extracts a list of purchase commodities corresponding to the identification code of the commodity data input and output

apparatus from the purchase commodity table, and calculates the total of the purchase commodities; and

wherein said communication unit sends the list of purchase commodities and the total of the purchase commodities to said commodity data input and output apparatus.

26. (Original) The commodity data management apparatus according to claim 24,

when said communication unit newly receives an identification code of purchase commodity,

wherein said data analysis unit decides whether the identification code of purchase commodity matches one of the pair of identification codes of purchase commodities in the purchase commodity table.

27. (Original) The commodity data management apparatus according to claim 26,

wherein said memory stores an advertisement corresponding to the identification code of each commodity.

28. (Original) The commodity data management apparatus according to claim 27,

if the identification code of purchase commodity matches one of the pair of identification codes of purchase commodities,

wherein said communication unit sends the advertisement corresponding to the other of the pair of identification codes and the commodity name to the commodity data input and output apparatus.

29. (Original) The commodity data management apparatus according to claim 26,

wherein said memory previously stores location data corresponding to the identification code of each commodity.

30. (Original) The commodity data management apparatus according to claim 29,

if the identification code of purchase commodity matches one of the pair of identification codes of purchase commodities,

wherein said communication unit sends the location data corresponding to the other of the pair of identification codes and the commodity name to the commodity data input and output apparatus.

31. (Original) The commodity data management apparatus according to claim 26,

wherein said memory previously stores a question corresponding to the identification code of each commodity, and

wherein said communication unit sends the question corresponding to the identification code of purchase commodity received to the commodity data input and output apparatus.

32. (Original) The commodity data management apparatus according to claim 31,

when said communication unit receives an answer for the question from the commodity data input and output apparatus,

wherein said memory correspondingly stores the answer and the identification code of the purchase commodity in an answer table.

33. (Cancelled)

34. (Currently amended) A computer program product for use with a computer, comprising:

a computer usable medium having computer readable program code embodied in said medium for causing said computer to manage commodity data, said computer readable program code having:

computer readable program code to receive purchase commodity data of ~~each~~ a customer in time series at the time the customer selects the commodity from a commodity data input and output apparatus; and

computer readable program code to ~~determine a tendency of purchase commodity of each customer according to the purchase commodity data of each~~

~~customer received.~~ select a pair of commodities continually purchased by the customer within a predetermined time period from the purchase commodity data;

computer readable program code to extract a pair of commodities of which occurrence frequency is above a threshold from pairs of commodities selected; and

computer readable program code to store the pair of commodities extracted as a tendency of purchase order of commodities of the customer.